



**NOAA Atlas 14, Volume 2, Version 3**  
**Location name:** Beallsville, Ohio, US\*  
**Latitude:** 39.9017°, **Longitude:** -81.0183°  
**Elevation:** 1071ft\*  
\* source: Google Maps



### POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M. Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aerials](#)

#### PF tabular

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.333 (0.297-0.374)	0.398 (0.356-0.448)	0.480 (0.429-0.538)	0.544 (0.484-0.609)	0.625 (0.555-0.698)	0.687 (0.608-0.766)	0.746 (0.658-0.831)	0.807 (0.708-0.898)	0.888 (0.774-0.989)	0.948 (0.822-1.06)
10-min	0.517 (0.462-0.581)	0.622 (0.556-0.699)	0.747 (0.666-0.837)	0.840 (0.748-0.940)	0.955 (0.848-1.07)	1.04 (0.921-1.16)	1.12 (0.990-1.25)	1.20 (1.06-1.34)	1.31 (1.14-1.45)	1.38 (1.20-1.54)
15-min	0.634 (0.566-0.712)	0.760 (0.680-0.854)	0.917 (0.818-1.03)	1.03 (0.920-1.16)	1.18 (1.05-1.32)	1.29 (1.14-1.44)	1.40 (1.23-1.55)	1.50 (1.32-1.67)	1.63 (1.42-1.82)	1.73 (1.50-1.92)
30-min	0.839 (0.749-0.943)	1.02 (0.910-1.14)	1.26 (1.12-1.41)	1.43 (1.28-1.61)	1.67 (1.48-1.86)	1.84 (1.63-2.05)	2.02 (1.78-2.24)	2.19 (1.92-2.43)	2.41 (2.10-2.69)	2.59 (2.24-2.88)
60-min	1.02 (0.915-1.15)	1.25 (1.12-1.40)	1.58 (1.41-1.77)	1.83 (1.63-2.04)	2.16 (1.92-2.41)	2.43 (2.15-2.71)	2.69 (2.37-3.00)	2.97 (2.60-3.30)	3.34 (2.91-3.72)	3.63 (3.15-4.05)
2-hr	1.19 (1.07-1.35)	1.45 (1.30-1.64)	1.84 (1.64-2.07)	2.14 (1.90-2.40)	2.56 (2.26-2.86)	2.89 (2.55-3.23)	3.23 (2.84-3.60)	3.59 (3.13-3.99)	4.08 (3.54-4.53)	4.47 (3.85-4.96)
3-hr	1.27 (1.14-1.43)	1.55 (1.38-1.74)	1.95 (1.75-2.20)	2.27 (2.02-2.55)	2.72 (2.41-3.05)	3.08 (2.72-3.44)	3.46 (3.03-3.86)	3.85 (3.36-4.29)	4.40 (3.81-4.89)	4.84 (4.16-5.38)
6-hr	1.52 (1.37-1.71)	1.83 (1.65-2.06)	2.30 (2.06-2.58)	2.67 (2.39-3.00)	3.20 (2.85-3.58)	3.63 (3.22-4.05)	4.10 (3.61-4.55)	4.58 (4.01-5.07)	5.26 (4.56-5.82)	5.83 (5.00-6.42)
12-hr	1.79 (1.62-2.00)	2.15 (1.94-2.40)	2.66 (2.40-2.97)	3.08 (2.77-3.44)	3.69 (3.30-4.10)	4.20 (3.73-4.65)	4.73 (4.18-5.22)	5.30 (4.66-5.83)	6.11 (5.32-6.71)	6.79 (5.86-7.43)
24-hr	2.10 (1.94-2.28)	2.51 (2.32-2.73)	3.07 (2.84-3.34)	3.53 (3.26-3.83)	4.16 (3.83-4.52)	4.68 (4.29-5.07)	5.21 (4.76-5.65)	5.77 (5.24-6.25)	6.55 (5.90-7.09)	7.16 (6.41-7.76)
2-day	2.46 (2.29-2.66)	2.94 (2.73-3.17)	3.56 (3.30-3.84)	4.06 (3.76-4.37)	4.74 (4.38-5.11)	5.29 (4.86-5.69)	5.85 (5.36-6.30)	6.43 (5.86-6.93)	7.21 (6.53-7.78)	7.83 (7.04-8.45)
3-day	2.64 (2.46-2.84)	3.14 (2.93-3.38)	3.79 (3.53-4.07)	4.30 (4.00-4.62)	5.01 (4.64-5.37)	5.57 (5.14-5.97)	6.14 (5.65-6.58)	6.72 (6.15-7.21)	7.51 (6.83-8.07)	8.12 (7.34-8.74)
4-day	2.82 (2.63-3.02)	3.35 (3.13-3.59)	4.02 (3.75-4.30)	4.55 (4.25-4.87)	5.28 (4.90-5.64)	5.85 (5.42-6.25)	6.43 (5.93-6.87)	7.01 (6.45-7.50)	7.81 (7.13-8.36)	8.41 (7.65-9.02)
7-day	3.41 (3.20-3.64)	4.05 (3.79-4.32)	4.83 (4.52-5.15)	5.44 (5.09-5.80)	6.26 (5.84-6.67)	6.91 (6.43-7.37)	7.57 (7.01-8.06)	8.23 (7.59-8.78)	9.11 (8.36-9.73)	9.79 (8.94-10.5)
10-day	3.94 (3.70-4.20)	4.66 (4.37-4.96)	5.50 (5.16-5.85)	6.16 (5.77-6.55)	7.04 (6.58-7.48)	7.72 (7.20-8.20)	8.39 (7.81-8.92)	9.07 (8.40-9.64)	9.96 (9.18-10.6)	10.6 (9.76-11.3)
20-day	5.54 (5.23-5.88)	6.53 (6.16-6.93)	7.60 (7.17-8.06)	8.42 (7.93-8.94)	9.50 (8.93-10.1)	10.3 (9.67-10.9)	11.1 (10.4-11.8)	11.9 (11.1-12.6)	12.9 (11.9-13.7)	13.6 (12.6-14.5)
30-day	6.96 (6.57-7.38)	8.17 (7.72-8.66)	9.42 (8.89-9.99)	10.4 (9.80-11.0)	11.6 (11.0-12.3)	12.6 (11.8-13.3)	13.5 (12.7-14.3)	14.4 (13.5-15.3)	15.5 (14.5-16.5)	16.4 (15.2-17.4)
45-day	8.94 (8.48-9.43)	10.5 (9.91-11.0)	11.9 (11.3-12.5)	13.0 (12.3-13.7)	14.4 (13.6-15.2)	15.5 (14.6-16.3)	16.5 (15.5-17.4)	17.4 (16.4-18.4)	18.6 (17.4-19.6)	19.4 (18.1-20.6)
60-day	10.8 (10.2-11.3)	12.6 (11.9-13.2)	14.2 (13.5-14.9)	15.4 (14.6-16.2)	16.9 (16.0-17.8)	18.0 (17.0-18.9)	19.0 (18.0-20.0)	19.9 (18.8-21.0)	21.1 (19.9-22.2)	21.9 (20.6-23.1)

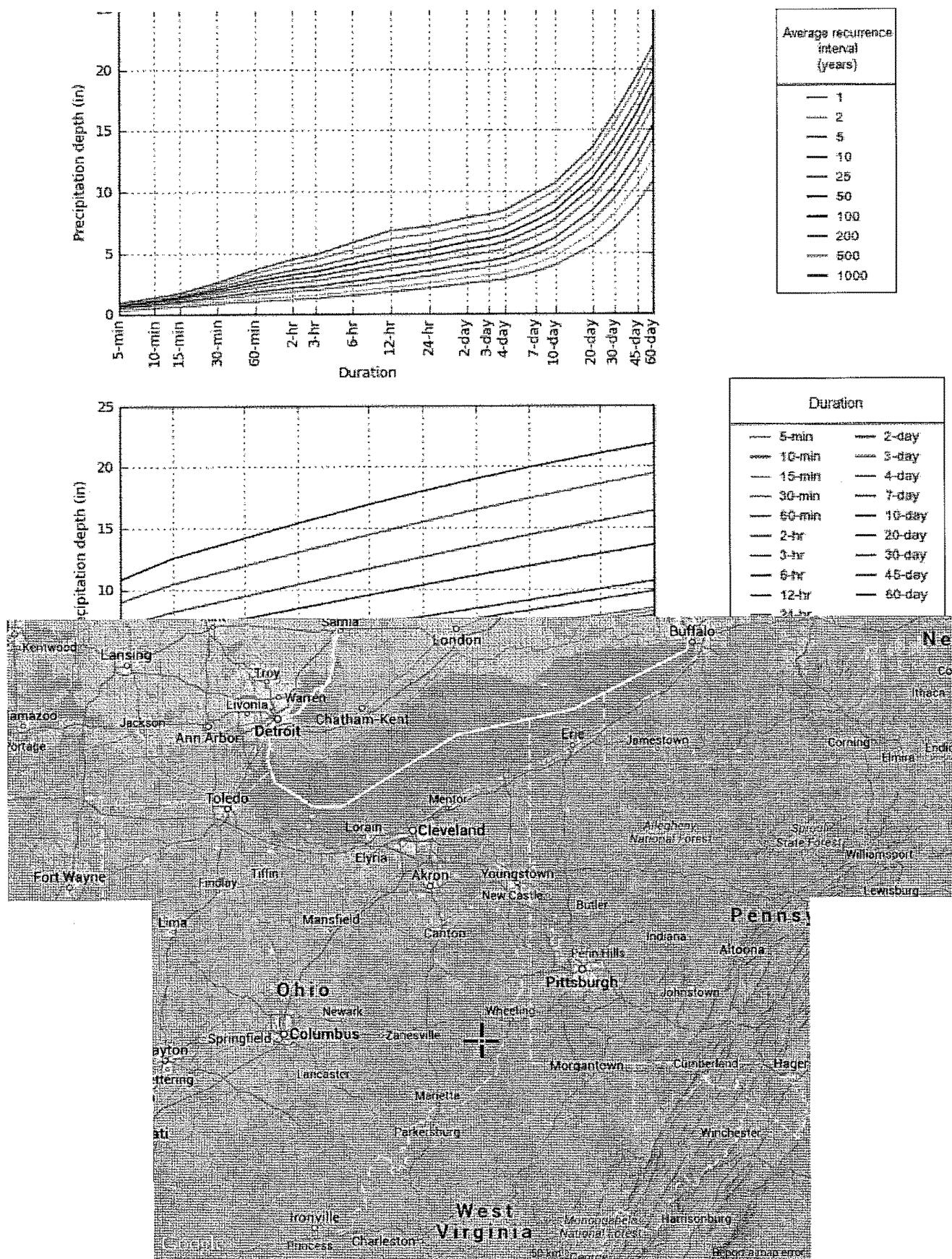
<sup>1</sup> Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

[Back to Top](#)

#### PF graphical



- **Annual/Seasonal Normals**

- **Hourly Normals**

Select a state or location from the list below, then select a station from the next list.

Data is displayed below.

Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia

WARDENSVILLE RM FARM, WV US
WEBSTER SPRINGS 8 N, WV US
WEBSTER SPRINGS, WV US
WEST UNION 2, WV US
WESTON, WV US
WHEELING OHIO CO AIRPORT, WV US

## WHEELING, WV US

[View Station Details Page](#)

	Precipitation Inches	Min Temp °F	Avg Temp °F	Max Temp °F
Annual	40.40	42.6	53.0	63.3
Winter (DJF)	8.74	23.8	32.2	40.6
Spring (MAM)	11.22	39.6	51.2	62.9
Summer (JJA)	11.35	62.1	72.9	83.6
Fall (SON)	9.09	44.8	55.3	65.8



## Other ways to access the 1981-2010 Climate Normals

Advanced access to the 1981-2010 Climate Normals through Climate Data Online contains precipitation and temperature Normals as well as supplemental Normals, which include snowfall, heating and cooling degree days, frost/freeze dates, and growing degree days. Locations can be selected on the interactive map by station, zip code, city, county, or state.

2014-00657200439